

Authors	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	DOI	Link
M.K., Jaiswal, Manju Kumari; B., Choudhury, Biswajit	Role of dopants and defects on the photocatalytic performance of g-C ₃ N ₄ under visible light and sub-band gap excitation	2022	Journal of Physics D: Applied Physics	55	50	504002			10.1088/1361-6463/ac9984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141801556&doi=10.1088%2F1361-6463%2F6463%2F6463&partnerID=40&md5=d700fd3d80379a73f0791b0ecfa2cb8a
S., Sarkar, Sanu; S., Kundu, Sarathi	Effect of different valent ions (Na ⁺ , Ca ²⁺ & Y ³⁺) on structural and morphological features of protein (BSA) thin films adsorbed on hydrophobic silicon (H-Si) surface	2022	Journal of Molecular Structure	1270		133892			10.1016/j.molstruc.2022.133892	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136495567&doi=10.1016%2Fj.molstruc.2022.133892&partnerID=40&md5=b72bfaa13393edc8db25386a7b680ddce
J., Saikia, Juri; R., Mazumdar, Rajkumari; D., Thakur, Debajit	Phylogenetic affiliation of endophytic actinobacteria associated with selected orchid species and their role in growth promotion and suppression of phytopathogens	2022	Frontiers in Plant Science	13		1058867			10.3389/fpls.2022.1058867	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144405975&doi=10.3389%2Ffpls.2022.1058867&partnerID=40&md5=f354a45c9c492b645510b09a2bd129a0
H., Jyoti Bora, Hriday; C., Paul, Chayan; N.S., Sarma, Neelotpal Sen; A., Kalita, Anamika	Facile Synthesis of Regenerative Framework Adsorbent for Organic Dyes: Experimental and Artificial Neural Modeling Studies	2022	ChemistrySelect	7	45	e202203766			10.1002/slct.202203766	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143672632&doi=10.1002%2Fslct.202203766&partnerID=40&md5=5caf4a15d039dfc5d726c5641cf58
K., Barman, Kailash; D., Chowdhury, Devasish; P.K., Baruah, Pranjal K.	Development of plant based nanoemulsion and its application as natural preservative having antioxidant and antimicrobial properties to deliver active compounds in apple juice	2022	Indian Journal of Natural Products and Resources	13	4		543	551	10.56042/ijnpr.v13i4.39616	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149118901&doi=10.56042%2Fijnpr.v13i4.39616&partnerID=40&md5=c093c8cb38f1cd0d738940bdd8523015
B., Kalita, Bhargab; Y.N., Utkin, Yuri N.; A.K., Mukherjee, Ashis Kumar	Current Insights in the Mechanisms of Cobra Venom Cytotoxins and Their Complexes in Inducing Toxicity: Implications in Antivenom Therapy	2022	Toxins	14	12	839			10.3390/toxins14120839	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144581797&doi=10.3390%2Ftoxins14120839&partnerID=40&md5=ce286cc260655ae38ae6b71fca4fca0f
M., Choudhury, Manisha; S., Randhawa, Sonali; R., Mohanty, Rajan; L.B., Mahanta, Lipi B.	How does flooding affect the nutritional status of children in floodplain regions? A cross-sectional study from Assam, India	2022	Proceedings of the Indian National Science Academy	88	4		765	777	10.1007/s43538-022-00128-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140994790&doi=10.1007%2Fs43538-022-00128-8&partnerID=40&md5=631e630e59f9e75cadc4be1cfb7002d2
S., Kumar, Suresh; R.J., Sarmah, Raktim Jyoti; S., Kundu, Sarathi	Growth of monolayer and trilayer of gold nanoparticles attached octadecanethiol films on hydrophilic silicon surface using Langmuir–Blodgett method	2022	Bulletin of Materials Science	45	4	208			10.1007/s12034-022-02791-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140219602&doi=10.1007%2Fs12034-022-02791-5&partnerID=40&md5=242b8989d1ef043c9ca43f937d438aca
J.S., Boruah, Jayanta Sarmah; D., Chowdhury, Devasish	Liposome-azobenzene nanocomposite as photo-responsive drug delivery vehicle	2022	Applied Nanoscience (Switzerland)	12	12		4005	4017	10.1007/s13204-022-02666-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139757477&doi=10.1007%2Fs13204-022-02666-5&partnerID=40&md5=74049822eeb019a2c97dc153e618a489
H., Sarma, Himangshu; M., Upadhyaya, Mohan; B., Gogoi, Bitu; M., Phukan, Mayuri; P., Kashyap, Pallabi; B., Das, Bhanita; R. Devi, H.K., Sharma, Hemanta Kumar	Cardiovascular Drugs: an Insight of In Silico Drug Design Tools	2022	Journal of Pharmaceutical Innovation	17	4		1484	1509	10.1007/s12247-021-09587-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119050722&doi=10.1007%2Fs12247-021-09587-w&partnerID=40&md5=7db663f9f0f4d8c80a73c0ecd5483eb7

S.N., Hazarika, Shabiha Nudrat; K., Saikia, Kangkon; D., Thakur, Debajit	Characterization and selection of endophytic actinobacteria for growth and disease management of Tea (Camellia sinensis L.)	2022	Frontiers in Plant Science	13		989794			10.3389/fpls.2022.989794	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142351194&doi=10.3389%2Ffpls.2022.989794&partnerID=40&md5=0a6a06ee3ed5cbdf86c00198d2580a3
V., Subramanian, Venkataramanan; S.J., Farmer, Samuel J.; K.L., Heiland, Kelsey L.; K.T., Moore, Kyle T.; T.A., Vander Wall, Todd A.; W., Sun, Weiman; Y.B., Chaudhari, Yogesh Babasaheb; M.E., Himmel, Michael E.; S.R., Decker, Stephen R.	A multi-plex protein expression system for production of complex enzyme formulations in Trichoderma reesei	2022	Journal of Industrial Microbiology and Biotechnology	49	6	kuac027			10.1093/jimb/kuac027	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147894146&doi=10.1093%2Fjimb%2Fkuac027&partnerID=40&md5=a4076525c7e7a5f9c132326e8237b803
K., Bora, Kangkana; L.B., Mahanta, Lipi B.; K., Borah, Kasmika; G., Chyrmang, Genevieve; B., Barua, Barun; S., Mallik, Saurav; H.S., Das, Himanish Shekhar; Z., Zhao, Zhongming	Machine Learning Based Approach for Automated Cervical Dysplasia Detection Using Multi-Resolution Transform Domain Features	2022	Mathematics	10	21	4126			10.3390/math10214126	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141841869&doi=10.3390%2Fmath10214126&partnerID=40&md5=c3d913af03121e98086b41a4bba124e1
P., Choudhury, Paramita; S.K., Samanta, Suman Kumar; S., Bhattacharjee, Swarnali; H., Sarma, Himangshu; R. Devi	Chemical composite of indigenous whole grain scented joha rice varietal prevents type 2 diabetes in rats through ameliorating insulin sensitization by the IRS-1/AKT/PI3K signalling cascade	2022	Food and Function	13	22		11879	11895	10.1039/d2fo02373c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141853765&doi=10.1039%2Fd2fo02373c&partnerID=40&md5=c3025a94807ddd1508aff4ac8dabe7c
A., Patra, Aparup; A.K., Mukherjee, Ashis Kumar	Mushroom mycetism – A neglected and challenging medical emergency in the Indian subcontinent: A road map for its prevention and treatment	2022	Toxicon	217			56	77	10.1016/j.toxicon.2022.07.014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136149556&doi=10.1016%2Fj.toxicon.2022.07.014&partnerID=40&md5=a5833b34f151d93c12a6db2a969b21c3
M.E., Joy, Miji E.; N.K., Sah, Neeraj Kumar; S.J., Phukan, Shankab J.; V., Ganesan, Vellaichamy; M., Roy, Manas; P.K., Sonkar, Piyush Kumar; S., Garai, Somenath; K., Sankaranarayanan, Kamatchi	Ultrafast detection of ammonia at room temperature and subsequent electrochemical water splitting via the ionic liquid templated nano nickel oxide	2022	Materials Chemistry and Physics	290		126537			10.1016/j.matchemphys.2022.126537	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135409354&doi=10.1016%2Fj.matchemphys.2022.126537&partnerID=40&md5=520ea5cd91233ec5f9649f5e9ba9a92e
S.K., Biswasi, Sweetty K.; D., Gogoi, Deepshikha; A.R., Pal, Arup R.	Gold Nanoparticle-Crystalline rubrene hybrid nanocomposite via plasma processing and realization of Plasmon-enhanced organic thin film transistor with high responsivity	2022	Applied Surface Science	599		153883			10.1016/j.apsusc.2022.153883	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132409575&doi=10.1016%2Fj.apsusc.2022.153883&partnerID=40&md5=38b423035886b56ef75926d284456cd1
S., Bhattacharjee, Swarnali; R., Elancheran, Ramakrishnan; K., Dutta, Kasturi; P.K., Deb, Prashanta Kr; R. Devi	Cardioprotective potential of the antioxidant-rich bioactive fraction of Garcinia pedunculata Roxb. ex Buch.-Ham. against isoproterenol-induced myocardial infarction in Wistar rats	2022	Frontiers in Pharmacology	13		1009023			10.3389/fphar.2022.1009023	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139908038&doi=10.3389%2Ffphar.2022.1009023&partnerID=40&md5=0cc5a1fb337e0dee7977a936bfa33f0
D., Sharma, Devabrat; S., Das, Santu; S.K., Saha, Subodh Kumar; B.N., Goswami, B. N.	Mechanism for high “potential skill” of Indian summer monsoon rainfall prediction up to two years in advance	2022	Quarterly Journal of the Royal Meteorological Society	148	749		3591	3603	10.1002/qj.4375	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140392280&doi=10.1002%2Fqj.4375&partnerID=40&md5=95baa22b6640f2000a57514d568eea5d
S., Pandit, Subhankar; S., Kundu, Sarathi; V.K., Aswal, Vinod Kumar	Effect of monovalent salts on molecular interactions of globular protein (BSA) above its isoelectric point	2022	Chemical Physics Letters	804		139916			10.1016/j.cplett.2022.139916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135306076&doi=10.1016%2Fj.cplett.2022.139916&partnerID=40&md5=d15e8b6fdb7f9e5d669c1344facf5dea
A., Borah, Atlanta; S.N., Hazarika, Shabiha Nudrat; D., Thakur, Debajit	Potentiality of actinobacteria to combat against biotic and abiotic stresses in tea [Camellia sinensis (L) O. Kuntze]	2022	Journal of Applied Microbiology	133	4		2314	2330	10.1111/jam.15734	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135278196&doi=10.1111%2Fjam.15734&partnerID=40&md5=2ebe2113f55264535ecf1841bb698f85

R.J., Sarmah, Raktim Jyoti; S., Kundu, Sarathi	Structure and morphology of bovine serum albumin-lysozyme (BSA-Lys) complex films at air–water interface	2022	Food Hydrocolloids	131		107788			10.1016/j.foodhyd.2022.107788	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130576637&doi=10.1016%2Fj.foodhyd.2022.107788&partnerID=40&md5=96ca9d46ac8301d68d86c1964b3479fbhttps://www.scopus.com/inward/record.uri?eid=2-s2.0-85125096399&doi=10.1007%2Fs13399-022-02427-y&partnerID=40&md5=5e631fb2f198f5f65387914e0d929cdb
R., Patowary, Rupshikha; K.N., Patowary, Kaustuvmani N.; M.C., Kalita, Mohan Chandra; S., Deka, Suresh; S.S., Lam, Su Shiung; H., Sarma, Hemen	Green production of noncytotoxic rhamnolipids from jackfruit waste: process and prospects	2022	Biomass Conversion and Biorefinery	12	10		4375	4388	10.1007/s13399-022-02427-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139871410&doi=10.1039%2Fd2ra04318a&partnerID=40&md5=463534e80b5f0c0057ff79ed17f5022b
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Reema; R.R., Khanikar, Rakesh Ruchel; H., Bailung, Heremba; K., Sankaranarayanan, Kamatchi	Review of the cold atmospheric plasma technology application in food, disinfection, and textiles: A way forward for achieving circular economy	2022	Frontiers in Physics	10		942952			10.3389/fphy.2022.942952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132215898&doi=10.1016%2Fj.jhazmat.2022.129325&partnerID=40&md5=acbd7c94f557884d1625419f2ee066bfhttps://www.scopus.com/inward/record.uri?eid=2-s2.0-85137066726&doi=10.1007%2Fs12039-022-02083-9&partnerID=40&md5=92f877f099de23e5295b4dfe7e991b03
P., Chakravarty, Paramita; D., Chowdhury, Devasish; H., Deka, Hemen	Ecological risk assessment of priority PAHs pollutants in crude oil contaminated soil and its impacts on soil biological properties	2022	Journal of Hazardous Materials	437		129325			10.1016/j.jhazmat.2022.129325	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135105376&doi=10.1111%2Fjfbcb.14347&partnerID=40&md5=cc3e5c43d9cb12ab0366fa2b3a2675a7
B., Rajesh Shyamala Devi, B.; A.K., Guha, Ankur Kanti; C., Malakar, Chandana; A., Devi, Arundhuti	Synthesis, characterization, Density Functional Theory (DFT) calculation, and fluorescent study of an efficient and novel Schiff base Cu(II) sensor	2022	Journal of Chemical Sciences	134	3	88			10.1007/s12039-022-02083-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133840054&doi=10.1016%2Fj.ijbiomac.2022.07.008&partnerID=40&md5=4e80c10578573c51784f753e6bbb0635
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S., Rahman, Sazzadur; D., Chowdhury, Devasish	Guar gum-sodium alginate nanocomposite film as a smart fluorescence-based humidity sensor: A smart packaging material	2022	International Journal of Biological Macromolecules	216			571	582	10.1016/j.ijbiomac.2022.07.008	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137619777&doi=10.1021%2Facsanm.2c02072&partnerID=40&md5=37ed1494e39331ca35f347733fa294ddhttps://www.scopus.com/inward/record.uri?eid=2-s2.0-85131536155&doi=10.1007%2Fs43440-022-00373-0&partnerID=40&md5=f70b78b70fc10e972c70ca4ae8970bd1https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130439201&doi=10.1007%2Fs42823-022-00347-5&partnerID=40&md5=77b5acc734bbb83e73f2cac6289fe64c
S., Deka, Suvankar; M.B., Devi, M. Bidyarani; M.R., Khan, Mojibur Rohman; Keerthana; V., Adyam, Venimadhav; B., Choudhury, Biswajit	Piezo-Photocatalytic and Photocatalytic Bismuth Vanadate Nanorods with Antibacterial Property	2022	ACS Applied Nano Materials	5	8		10724	10734	10.1021/acsanm.2c02072	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131536155&doi=10.1007%2Fs43440-022-00373-0&partnerID=40&md5=f70b78b70fc10e972c70ca4ae8970bd1https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130439201&doi=10.1007%2Fs42823-022-00347-5&partnerID=40&md5=77b5acc734bbb83e73f2cac6289fe64c
S.K., Samanta, Suman Kumar; P., Choudhury, Paramita; P.P., Sarma, Partha Pratim; B., Gogoi, Bhaskarjyoti; N., Gogoi, Neelutpal; R. Devi	Dietary phytochemicals/nutrients as promising protector of breast cancer development: a comprehensive analysis	2022	Pharmacological Reports	74	4		583	601	10.1007/s43440-022-00373-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130439201&doi=10.1007%2Fs42823-022-00347-5&partnerID=40&md5=77b5acc734bbb83e73f2cac6289fe64c
M.J., Deka, Manash Jyoti; D., Chowdhury, Devasish; B.K., Nath, Bhabesh Kumar	Recent development of modified fluorescent carbon quantum dots-based fluorescence sensors for food quality assessment	2022	Carbon Letters	32	5		1131	1149	10.1007/s42823-022-00347-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130439201&doi=10.1007%2Fs42823-022-00347-5&partnerID=40&md5=77b5acc734bbb83e73f2cac6289fe64c

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M., Srivastava, Manisha; M.B., Sahariah, Munima Bora; A., Srinivasan, Ananthakrishnan	Size-dependent properties of single domain Fe ₂ CoGa nanoparticles prepared by a facile template-less chemical route	2022	Journal of Materials Chemistry C	10	33		11946	11958	10.1039/d2tc02729a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135304047&doi=10.1039%2Fd2tc02729a&partnerID=40&md5=0424512190b3aa5ab3b04fc6d2eca0e6
R., Borah, Rajiv; J.M., Das, Jitu Mani; J., Upadhyay, Jnanendra	Surface Functionalized Poly(amine Nanofibers): Chitosan Nanocomposite for Promoting Neuronal-like Differentiation of Primary Adipose Derived Mesenchymal Stem Cells and Urease Activity	2022	ACS Applied Bio Materials	5	7		3193	3211	10.1021/acsabm.2c00171	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134632134&doi=10.1021%2Facsabm.2c00171&partnerID=40&md5=242615a390243149a5281015d0e72c95
U., Puzari, Upasana; P.A., Fernandes, Pedro Alexandrino; A.K., Mukherjee, Ashis Kumar	Pharmacological re-assessment of traditional medicinal plants-derived inhibitors as antidotes against snakebite envenoming: A critical review	2022	Journal of Ethnopharmacology	292		115208			10.1016/j.jep.2022.115208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126933395&doi=10.1016%2Fj.jep.2022.115208&partnerID=40&md5=74e487e46e1fd0440556b1b0836bf50a
M.P., Nath, Manash Pratim; S., Biswas, Sritam; P., Nath, Pabitra; B., Choudhury, Biswajit	Synergy of Adsorption and Plasmonic Photocatalysis in the Au-CeO ₂ Nanosystem: Experimental Validation and Plasmonic Modeling	2022	Langmuir	38	24		7628	7638	10.1021/acs.langmuir.2c01056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133033057&doi=10.1021%2Facs.langmuir.2c01056&partnerID=40&md5=b5a5e6d7d5c4ba0f9f0443db9bafb896c
S., Upadhyaya, Samiran; G., Gogoi, Gautomi; A., Kumar, Arun; M.R., Khan, Mojibur Rohman; N.S., Sarma, Neelotpal Sen	Synthesis of N-vinylpyrrolidone and acrylonitrile derived stiff crosslinked copolymer using high pressure for its application in reversible dye adsorption and antimicrobial activities	2022	Materials Today Communications	31		103826			10.1016/j.mtcomm.2022.103826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132587734&doi=10.1016%2Fj.mtcomm.2022.103826&partnerID=40&md5=27b498d4da5ce870a414b994191960c6
A., Deb, Ankita; D., Chowdhury, Devasish	Unraveling the origin of photoluminescence in dual emissive biogenic carbon dot	2022	Materials Today Communications	31		103777			10.1016/j.mtcomm.2022.103777	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131806452&doi=10.1016%2Fj.mtcomm.2022.103777&partnerID=40&md5=6913f6103e5cb4ac23248e5254c7b5f
S., Pandit, Subhankar; S., Kundu, Sarathi; V.K., Aswal, Vinod Kumar	Interaction among bovine serum albumin (BSA) molecules in the presence of anions: a small-angle neutron scattering study	2022	Journal of Biological Physics	48	2		237	251	10.1007/s10867-022-09608-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128188485&doi=10.1007%2Fs10867-022-09608-w&partnerID=40&md5=376cf05e4de131ff447e0edf1705295e
K., Talukdar, Kabyanil; K., Bora, Kangkana; L.B., Mahanta, Lipi B.; A.K., Das, Anup Kumar	A comparative assessment of deep object detection models for blood smear analysis	2022	Tissue and Cell	76		101761			10.1016/j.tice.2022.101761	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126097402&doi=10.1016%2Fj.tice.2022.101761&partnerID=40&md5=de0f68052081dcfc06e5d2224f2e9bcf
S., Boral, Susam; S., Das, Santu; T., Sahoo, Trilochan; M.H., Meylan, Michael H.	Blocking dynamics of capillary-gravity waves in a two-layer fluid in the presence of surface and interfacial tensions	2022	Meccanica	57	6		1307	1335	10.1007/s11012-022-01495-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126013306&doi=10.1007%2Fs11012-022-01495-8&partnerID=40&md5=b6416adef33f391c7ef646f1d8381775
R., Patowary, Rupshikha; K.N., Patowary, Kaustuvmani N.; M.C., Kalita, Mohan Chandra; S., Deka, Suresh; J.M., Borah, Jayanta Madhab; S.J., Joshi, Sanket J.; M., Zhang, Ming; W.X., Peng, Wanxi Xia; G., Sharma, Gaurav; J., Rinklebe, Jörg	Biodegradation of hazardous naphthalene and cleaner production of rhamnolipids — Green approaches of pollution mitigation	2022	Environmental Research	209		112875			10.1016/j.envres.2022.112875	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124387569&doi=10.1016%2Fj.envres.2022.112875&partnerID=40&md5=b885255cdd6ce8983f4cd63cf5cc564d

N., Sultana, Nasrin; A., Degg, Annabelle; S., Upadhyaya, Samiran; T., Nilges, Tom; N.S., Sarma, Neelotpal Sen	Synthesis, modification, and application of black phosphorus, few-layer black phosphorus (FLBP), and phosphorene: a detailed review	2022	Materials Advances	3	14		5557	5574	10.1039/d1ma01101d	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132811582&doi=10.1039%2Fd1ma01101d&partnerID=40&md5=90d664e047f467078315ebce84e8a3fc
H., Kakati, Hirakjyoti; A., Patra, Aparup; B., Kalita, Bhargab; A., Chanda, Abhishek; S., Rapole, Srikanth; A.K., Mukherjee, Ashis Kumar	A comparison of two different analytical workflows to determine the venom proteome composition of Naja kaouthia from North-East India and immunological profiling of venom against commercial antivenoms	2022	International Journal of Biological Macromolecules	208			275	287	10.1016/j.ijbiomac.2022.03.095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126900234&doi=10.1016%2Fj.ijbiomac.2022.03.095&partnerID=40&md5=5921321974f82edf219a4fae1d97bcaa
P., Sarma, Pranamika; S., Bharadwaj, Simanta; D., Swargiary, Deepshikha; S.A., Ahmed, Semim Akhtar; Y., Sheikh, Yunus; S.R., Barge, Sagar Ramrao; P., Manna, Prasenjit; N.C., Talukdar, Narayan Chandra; J.J., Bora, Jayanta Jyoti; J.C., Borah, Jagat Chandra	Iridoid glycoside isolated from Wendlandia glabrata and the role of its enriched fraction in regulating AMPK/PEPCK/G6Pase signaling pathway of hepatic gluconeogenesis	2022	New Journal of Chemistry	46	27		13167	13177	10.1039/d1nj05856h	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132832920&doi=10.1039%2Fd1nj05856h&partnerID=40&md5=df44adcf66904c9f95128bd2beef750
S.C., Barman, Sunil Chandra; S., Das, Santu; T., Sahoo, Trilochan; M.H., Meylan, Michael H.	Scattering of flexural-gravity waves due to a crack in a floating ice sheet in a two-layer fluid in the context of blocking dynamics	2022	Physics of Fluids	34	5	56602			10.1063/5.0090073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130091297&doi=10.1063%2F5.0090073&partnerID=40&md5=a1ea7967fffd5a7508284fd1d1e908e6
B., Deka, Barsha; P., Manna, Prasenjit; J.C., Borah, Jagat Chandra; N.C., Talukdar, Narayan Chandra	A review on phytochemical, pharmacological attributes and therapeutic uses of Allium hookeri	2022	Phytomedicine Plus	2	2	100262			10.1016/j.phyplu.2022.100262	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127078274&doi=10.1016%2Fj.phyplu.2022.100262&partnerID=40&md5=3e436a37c384fd6e19258d295863ae76
A.K., Borah, Anuj Kumar; S.A., Ahmed, Semim Akhtar; J.C., Borah, Jagat Chandra	Phytomedicine as a source of SGLT2 inhibitors, GLP-1 secretagogues and DPP-IV inhibitors for mitigation of Diabetic Nephropathy	2022	Phytomedicine Plus	2	2	100225			10.1016/j.phyplu.2022.100225	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125605374&doi=10.1016%2Fj.phyplu.2022.100225&partnerID=40&md5=bc639a3f506137fd0d151897f17da8
A.K., Mukherjee, Ashis Kumar; D.J., Chattopadhyay, Dhruba J.	Potential clinical applications of phytopharmaceuticals for the in-patient management of coagulopathies in COVID-19	2022	Phytotherapy Research	36	5		1884	1913	10.1002/ptr.7408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124562988&doi=10.1002%2Fptr.7408&partnerID=40&md5=929f74fefecb882d1db7949ebaaedc28
S., Dash, Somarani; Y.A., Syed, Yasir Ahmed; M.R., Khan, Mojibur Rohman	Understanding the Role of the Gut Microbiome in Brain Development and Its Association With Neurodevelopmental Psychiatric Disorders	2022	Frontiers in Cell and Developmental Biology	10		880544			10.3389/fcell.2022.880544	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131734910&doi=10.3389%2Ffcell.2022.880544&partnerID=40&md5=ad7d0905ad18be6214fe6a8d1f8f2c5c
S., Das, Sushmita; P.J., Handique, Pratap Jyoti	Are Indian Culinary Spices Acting as an Immunomodulatory Factor Against Covid-19?	2022	Current Research in Nutrition and Food Science	10	1		31	44	10.12944/CRNFSJ.10.1.03	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130236358&doi=10.12944%2FCRNFSJ.10.1.03&partnerID=40&md5=152df1752df91f15f697ea098e8ec8f30
G., Kaushik, Gitartha; S., Bordoloi, Sabitry	Morphology and reproductive biology of two hill stream Cyprinids, Balitora brucei and Psilorhynchus balitora, from the Ranganadi River (India), with a special note to their conservational threats	2022	Environmental Science and Pollution Research	29	16		23144	23157	10.1007/s11356-021-17411-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120582033&doi=10.1007%2Fs11356-021-17411-8&partnerID=40&md5=50d121167971828f9c6b05845024f5d7
R.R., Khanikar, Rakesh Ruchel; M., Kalita, Monalisa; P., Kalita, Parismita; B., Kashyap, Bhaswati; S., Das, Santanu; M.R., Khan, Mojibur Rohman; H., Bailung, Heremba; K., Sankaranarayanan, Kamatchi	Cold atmospheric pressure plasma for attenuation of SARS-CoV-2 spike protein binding to ACE2 protein and the RNA deactivation	2022	RSC Advances	12	15		9466		10.1039/d2ra00009a	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127847361&doi=10.1039%2Fd2ra00009a&partnerID=40&md5=e65531442418e4f6b824113b0f4730d4

M.K., Jaiswal, Manju Kumari; B., Choudhury, Biswajit	Hydrated Orthorhombic/Hexagonal Mixed-Phase WO ₃ Core-Shell Nanoribbons for Hole-Mediated Photocatalysis	2022	ACS Applied Nano Materials	5	3	3599	3610	10.1021/acsanm.1c04267	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126630915&doi=10.1021%2Facsanm.1c04267&partnerID=40&md5=297209b830e8c0eb61b600f0158cf07c
J., Baruah, Julie; P., Bardhan, Pritam; A.K., Mukherjee, Ashis Kumar; R.C.H., Deka, Ramesh Chandra H.; M., Mandal, Manabendra; E., Kalita, Eeshan	Integrated pretreatment of banana agrowastes: Structural characterization and enhancement of enzymatic hydrolysis of cellulose obtained from banana peduncle	2022	International Journal of Biological Macromolecules	201		298	307	10.1016/j.ijbiomac.2021.12.179	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122642427&doi=10.1016%2Fijbiomac.2021.12.179&partnerID=40&md5=0045293be6b51b17fa27801f8c69e849
K., Phukan, Kabyashree; R. Devi, D., Chowdhury, Devasish	Insights into Anti-Inflammatory Activity and Internalization Pathway of Onion Peel-Derived Gold Nano Bioconjugates in RAW 264.7 Macrophages	2022	ACS Omega	7	9	7606	7615	10.1021/acsomega.1c06131	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125946750&doi=10.1021%2Facsomega.1c06131&partnerID=40&md5=ac78fe9a6b5f26ba91ba51f2f43a9035
B., Basumatary, Bablu; S., Podder, Santanu; S., Thakur, Samir; J., Bora, Jyotisman; B., Sharma, Bikash; S.M., Borah, Sankar Moni; N.C., Adhikary, Nirab Chandra; D.S., Patil, Dinkar S.; A.R., Pal, Arup R.	Synergistic Effect of Au Interband Transition on Graphene Oxide/ZnO Heterostructure: Experimental Analysis with FDTD Simulation	2022	ACS Omega	7	9	7662	7674	10.1021/acsomega.1c06333	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125934090&doi=10.1021%2Facsomega.1c06333&partnerID=40&md5=62fcfc03b3da9beaa18496ea8536da7d
S., Sharma, Sudeshna; A., Devi, Arundhuti; K.G., Bhattacharyya, Krishna G.	Photocatalytic Degradation of Methylene Blue in Aqueous Solution with Silver-Kaolinite-Titania Nanocomposite under Visible Light Irradiation	2022	Journal of Nanostructures	12	2	426	445	10.22052/JNS.2022.02.018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131097520&doi=10.22052%2FJNS.2022.02.018&partnerID=40&md5=f1552f6e565c09e9adfea94220394be1
A., Begum, Anjana; G., Choudhury, Gautam	Analysis of a bulk arrival N-policy queue with two-service genre, breakdown, delayed repair under Bernoulli vacation and repeated service policy	2022	RAIRO - Operations Research	56	2	979	1012	10.1051/ro/2021167	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128833481&doi=10.1051%2Fro%2F2021167&partnerID=40&md5=285d9a0805fdf3ac5696805bcd0172c
S., Das, Santu; M.H., Meylan, Michael H.	The effect of compressed ice-shelf on acoustic-gravity wave propagation in a compressible ocean having elastic bottom	2022	Wave Motion	110		102897		10.1016/j.wavemoti.2022.102897	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124562838&doi=10.1016%2Fj.wavemoti.2022.102897&partnerID=40&md5=867e6d8d533a529d7a96ff5d5e3ba0d
S., Pandit, Subhankar; S., Kundu, Sarathi	Effect of Temperature on Re-entrant Condensation of Globular Protein in Presence of Tri-valent Ions	2022	Journal of Fluorescence	32	2	791	797	10.1007/s10895-021-02874-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123821292&doi=10.1007%2Fs10895-021-02874-2&partnerID=40&md5=497bed92a25bd046d297c5d784fa1a43
I., Farid, Ibnul; J., Chutia, Joyanti; H., Bailing, Heremba	Co-sputtered low platinum loaded PtTi binary electrocatalysts for Proton Exchange Membrane (PEM) fuel cells	2022	Journal of Chemical Sciences	134	1	10		10.1007/s12039-021-02015-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123457063&doi=10.1007%2Fs12039-021-02015-z&partnerID=40&md5=d258de16f9daac90405fbfc402e9bc37
S., Sau, Sanjib; S., Kundu, Sarathi K., Mithun, Rudrapai; S.J., Khairnar, Shubham Jagdish; J., Khan, Johra; A.A.B., Dukhyil, Abdulaziz Aziz Bin; M.A., Ansari, Mohammad Azam; M.N., Alomary, Mohammad N.; F.M., Alshabrm, Fahad M.; S., Palai, Santwana; P.K., Deb, Prashanta Kr; R. Devi	Variation in structure and properties of poly(vinyl alcohol) (PVA) film in the presence of silver nanoparticles grown under heat treatment	2022	Journal of Molecular Structure	1250		131699		10.1016/j.molstruc.2021.131699	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118346638&doi=10.1016%2Fj.molstruc.2021.131699&partnerID=40&md5=882e8904cf4eb589a6d3d389ef5742c6
	Dietary Polyphenols and Their Role in Oxidative Stress-Induced Human Diseases: Insights Into Protective Effects, Antioxidant Potentials and Mechanism(s) of Action	2022	Frontiers in Pharmacology	13		806470		10.3389/fphar.2022.806470	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125325581&doi=10.3389%2Ffphar.2022.806470&partnerID=40&md5=9f48b0edd7cfb3c6a7602b3609093cf1

J.S., Boruah, Jayanta Sarmah; K., Sankaranarayanan, Kamatchi; D., Chowdhury, Devasish	Insight into carbon quantum dot-vesicles interactions: Role of functional groups	2022	RSC Advances	12	7	4382	4394	10.1039/d1ra08809b	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124379426&doi=10.1039%2Fd1ra08809b&partnerID=40&md5=1529792a7e98c8e2cc6d08e36bc0f8ce
A., Kumar, Arun; T.K., Joishy, Tulsi Kumari; S., Das, Santanu; M.C., Kalita, Mohan Chandra; A.K., Mukherjee, Ashis Kumar; M.R., Khan, Mojibur Rohman	A Potential Probiotic <i>Lactobacillus plantarum</i> JBC5 Improves Longevity and Healthy Aging by Modulating Antioxidative, Innate Immunity and Serotonin-Signaling Pathways in <i>Caenorhabditis elegans</i>	2022	Antioxidants	11	2	268		10.3390/antiox11020268	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123550923&doi=10.3390%2Fantiox11020268&partnerID=40&md5=e94fe0238eb3dd48ee151ff1ed579e24
A.K., Mukherjee, Ashis Kumar; A., Chanda, Abhishek; I., Mukherjee, Indrajit; P., Kumar, Pawan	Characterization of lipopeptide biosurfactant produced by a carbazole-degrading bacterium <i>Roseomonas cervicalis</i> : The role of biosurfactant in carbazole solubilisation	2022	Journal of Applied Microbiology	132	2	1062	1078	10.1111/jam.15258	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113806393&doi=10.1111%2Fjam.15258&partnerID=40&md5=7372f234e70fde28f39d1d2631485a5
K., Phukan, Kabyashree; R.R., Sarma, Ritwick Ranjan; S., Dash, Somarani; R. Devi, D., Chowdhury, Devasish	Carbon dot based nucleus targeted fluorescence imaging and detection of nuclear hydrogen peroxide in living cells	2022	Nanoscale Advances	4	1	138	149	10.1039/d1na00617g	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121685017&doi=10.1039%2Fd1na00617g&partnerID=40&md5=746a73db6ef395b4f265d982c38f6f66
J.S., Boruah, Jayanta Sarmah; S., Majumdar, Sristi; A., Deb, Ankita; J., Gogoi, Jahnabi; D., Chowdhury, Devasish	Trending 2D Nanomaterial Composites in Detection and Sensing of Biological Contaminants	2022	Materials Horizons: From Nature to Nanomaterials			173	196	10.1007/978-981-16-8538-5_8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144969270&doi=10.1007%2F978-981-16-8538-5_8&partnerID=40&md5=1218d5ab562857f2b8f74ced37bcf85a
A., Konwar, Achyut; J.S., Boruah, Jayanta Sarmah; K., Phukan, Kabyashree; S., Rahman, Sazzadur	Fate of 2D Nanomaterials and Their Toxic Effects on the Environment and Human Health	2022	Materials Horizons: From Nature to Nanomaterials			243	265	10.1007/978-981-16-8538-5_11	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144948376&doi=10.1007%2F978-981-16-8538-5_11&partnerID=40&md5=23952373fb9d9d967d0eaa29514678bb9
K., Phukan, Kandarpa; S., Chutia, Sudipta; G.P., Chutia, Gobinda Prasad; N.S., Sarma, Neelotpal Sen	Fabrication of Conducting Polyaniline–Betel Nut Fiber Filaments with Potential Ammonia Gas Sensing Behavior	2022	Journal of Natural Fibers	19	16	13694	13710	10.1080/15440478.2022.2104776	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135612615&doi=10.1080%2F15440478.2022.2104776&partnerID=40&md5=2b5d35796a0044cb00593c9e6df874f7
L., Rahman, Lutfor; J., Goswami, Jutika; D., Choudhury, Devasish	Assessment of physical and thermal behaviour of chitosan-based biocomposites reinforced with leaf and stem extract of <i>Tectona grandis</i>	2022	Polymers and Polymer Composites	30				10.1177/09673911221076305	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131162040&doi=10.1177%2F09673911221076305&partnerID=40&md5=a8e54d5d27ebe93a4452644fa1e1c5c7
E., Hussain, Elima; L.B., Mahanta, Lipi B.; K.A., Borbora, Khurshid Alam; A.K., Shah, Ankit Kumar; D., Subhasini, Divya; T., Das, Tarali	A Study on Effects of Different Image Enhancement Techniques on Cervical Colposcopy Images	2022	Lecture Notes in Electrical Engineering	836		303	313	10.1007/978-981-16-8542-2_24	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130243543&doi=10.1007%2F978-981-16-8542-2_24&partnerID=40&md5=b8ed0c2e18b211540c80089f1cd3c367
G., Choudhury, Gautam; A., Goswami, Akhil; A., Begum, Anjana; H.K., Sarmah, Hemanta Kumar	Stochastic Decomposition Results for Poisson Input Queue and Its Applications	2022	Thailand Statistician	20	1	185	194		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127512595&partnerID=40&md5=f57a30c1647f706c917aaabc6d4226e0
J.M., Baruah, Jejiron Maheswari; J., Narayan, Jyoti; S., Kalita, Sanjeeb; R., Kandimalla, Raghuram	Green chemistry mediated facile synthesis of surface passivated ZnSe QDs and their cytotoxicity evaluation	2022	Materials Today: Proceedings	51		2389	2394	10.1016/j.matpr.2021.11.587	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127478381&doi=10.1016%2Fj.matpr.2021.11.587&partnerID=40&md5=61ca9f4d3922937bb5cf2aa05036e92c

R., Mazumdar, Rajkumari; D., Thakur, Debajit	Therapeutic Applications of Nanotechnology in the Prevention of Infectious Diseases	2022	Nanotechnology in the Life Sciences				323	343	10.1007/978-3-030-80371-1_10	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127009564&doi=10.1007%2F978-3-030-80371-1_10&partnerID=40&md5=2424430b246ceff2de854e02b2b74210
R., Das, Rictika; D., Thakur, Debajit	Recent Developments in Nanotechnological Interventions for Pesticide Remediation	2022	Nanotechnology in the Life Sciences				553	580	10.1007/978-3-030-80371-1_19	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126935276&doi=10.1007%2F978-3-030-80371-1_19&partnerID=40&md5=2f880897c00c4a13a3736727f014c95f
T.K., Joishy, Tulsi Kumari; A.R., Jha, Aashish R.; M.M., Oudah, Mai Mohamed; S., Das, Santanu; A., Adak, Atanu; D., Deb, Dibyayan; M.R., Khan, Mojibur Rohman	Human Gut Microbes Associated with Systolic Blood Pressure	2022	International Journal of Hypertension	2022		2923941			10.1155/2022/2923941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124811478&doi=10.1155%2F2022%2F2923941&partnerID=40&md5=b430615f061a79a95a4f460a3d377e94
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